SNMP CARD CONFIGURATION GUIDE 2024

Guide updated on 16-09-2024

PART 1 – Configuring network settings

- ## 1.1 – Identify your addresses net

In order to correctly identify the correct segment of your PC's IP address you need to access the command prompt. (search for “Prompt” in the Windows search bar at the bottom left)

Image 1 – Command Prompt

You need to type ipconfig and press enter to view the necessary information

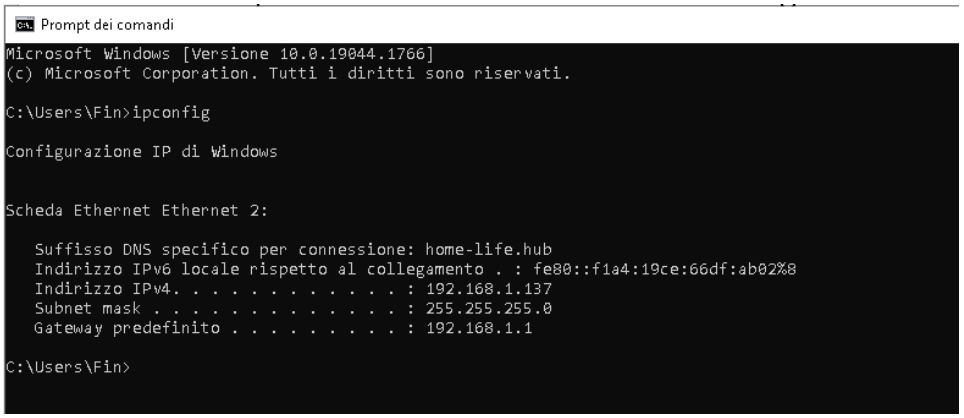


Image 2 – Command Prompt – ipconfig command

These 3 parameters (**IPv4 Address – Subnet Mask – Default Gateway**) will be entered in the Network settings of the WiseFind Software (PHASE 1.8)

- **1.2 – Check that the SNMP card is inserted inside of the UPS**

Image 3 – SNMP tab

- **1.3 – Connect the UPS to the company network with the cable net**

This assigns an IP address to the SNMP so it can be viewed on the network.

Image 4 – Network cable

- **PHASE 1.4 - Program Installation WiseFind**

Wisefind program on your PC available at the following link:

https://mega.nz/file/ kow3UKKS#s9OLTD3c3Q7onc-NrFMHAb3mYaHyZ62jd0Uk9ndwKwU

- **STEP 1.5 - Open the program WiseFind**

Wisefind home screen

- **STEP 1.6 – Press Search to locate the UPS connected to net**

They will be displayed

- Serial Number
- IP address
- MAC address

- **<u>STEP 1.7 – Assign IP address to SNMP (For this step, contact your consultant IT)</u>**

Press Network and enter the addresses found in PHASE 1. From the Ethernet card you need to

- Copy **the IPV4 address** (e.g. 192.168.1.X) and paste it into the Network settings of the Wisefind Software (IP) by changing the last number (e.g. 192.168.1.Y)
- Copy the **Subnet Mask address** and paste it into the Network settings of the Wisefind Software (Netmask)
- Copy **the default Gateway address and paste it into the Network settings of the** Wisefind Software (Gateway default)

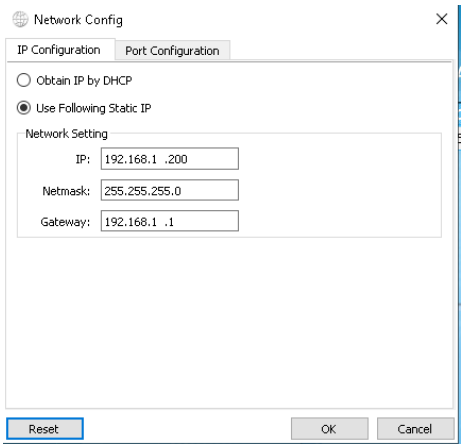


Image 7 – Wisefind – Network

- **1.8 – Viewing the configuration panel of the SNMP**

If the Network data has been entered correctly it will be possible to access the SNMP configuration panel by pressing Launch Web.

- **1.9 – Access to the configuration panel of the SNMP**

If the card was purchased in 2023-2024 the passwords to access will be as follows.

- **User name:** admin
- **Password :** SNMPadmin2023

For Cards purchased before 2023 the access credentials are as follows:

- **User name:** admin
- **Password :** KHadmin0592

Image 8 – Configuration panel

TROUBLESHOOTING

- To avoid browser problems it is recommended to use Google Chrome as your browser default
- In case of problems it is advisable to delete the cookies and the cache of the browser
    - *Open Chrome on computer.*
    - *Click More. top a right.*
    - *Click More Tools. ...*
    - *Select a time frame at the top. ...*
    - *Select the boxes relative at options "Cookies And others data of the sites" And "Images And files stored in the cache".*
    - *Click Clear data.*

PART 2 – Check the software version

may need to be updated to a newer version.

To check whether or not the card needs to be updated, you need to check the version from the Wisefind software .

Alternatively, if you have access to the configuration panel , to view this information you need to go to **Auxiliary function – System Upgrade - Application software version .**

2.1 – Updated version: V3.05.03.0

If the firmware of your SNMP card is version 3.05.03.0, NO UPDATE IS NECESSARY .

It means you are using the latest version and the card is ready to be configured

2.2 - Version to update: V3.04 and previous (V3.01 – 3.02 – 3.03)

If the firmware of your SNMP card is prior to version 3.05 it is advisable to update to the latest available version which can be downloaded from the following link:

https://mega.nz/file/3k5E3ZZQ#rbYow4x_nqn5xLzt130T1H0MAe68LwK-PnTaZhA4Asc

Once the file has been downloaded, to proceed with the installation you need to go to **Auxiliary function – System Upgrade – Local Upgrade – Browse – Select the update software downloaded previously – Upgrade.**

The update procedure will take a few minutes. Once the installation is complete, you need to close and reopen the Wisefind software and wait for the UPS to appear to be able to access via IP.

As soon as the SNMP card is correctly connected it will be necessary to change some settings from the initial configuration panel.

The **settings vary depending on the UPS model to be configured.**

Below is the combination between the UPS models and the related protocol for operation.

UPS	Protocol	Baud rate
IST3	WRWF-1101-15338-01-1P	2400-2400
IST7 (10-40 kVA) and IST9	WRWF-1201-04-3I30	9600-9600
IST7 (60-200 kVA) and IST6	WRWF-1201-06-3I30	9600-9600

In part 3 it will be possible to identify the fields where to enter the correct protocol.

PART 3 – Configuring UPS Settings | Single phase | IST3

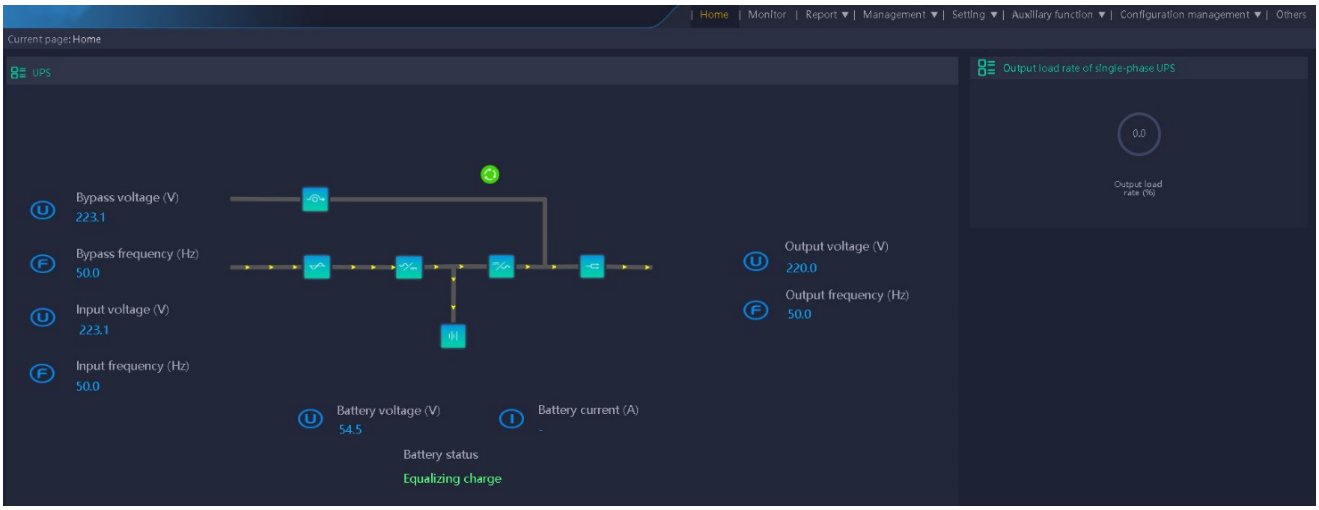


Image 1 – Initial configuration panel

- ## 3.1 – Changing Baud Installments

For correct operation, a specific value must be entered in the Baud Rate item. To access the dedicated section you need to follow the procedure:

Setting – Serial Port Setting

From the screen you need to modify the value entered under the Baud Rate item.

IST3 single-phase configuration

COM 1 – Baud Rate: 2400

COM 2 – Baud Rate: 2400

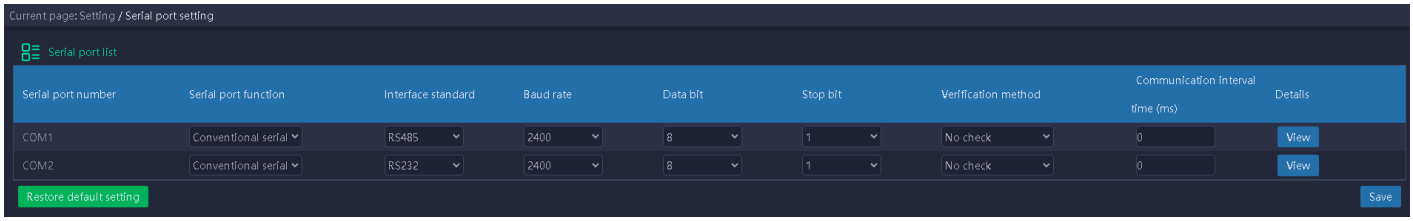


Image 2 – Serial Port Setting

- ## 3.2 – Modification Protocol

For correct operation, the communication protocol must be modified. To access the dedicated section you must follow the procedure: **Management – Device Management – Power – UPS – Box selection – Edit -**

Image 3 – Device Management Parameters – Basic Parameters

IST3 single-phase configuration

For the IST3 model under Communication Protocol must be indicated: **WRWF-1101-15338-01_1P**

- ## 3.3 – Insertion of parameters device

For correct configuration, you must enter the device information. It is possible to obtain part of the required information from the label of the continuity system

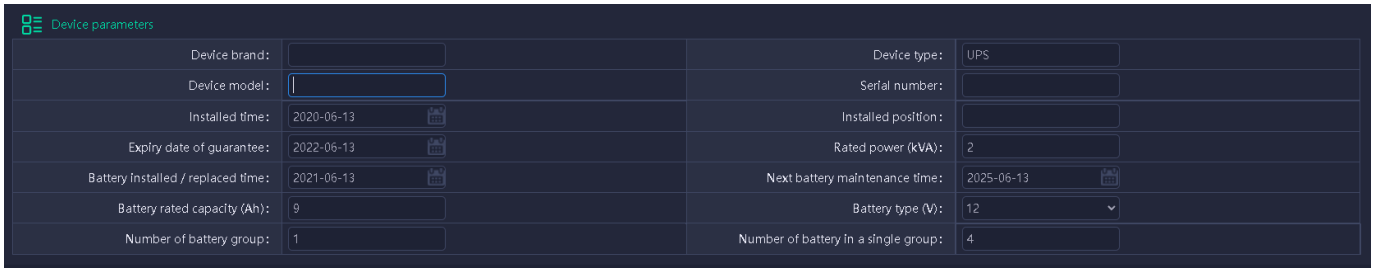


Image 4 – Device Management Parameters – Device Parameters

Voice	**Description**	**Information**
Device Brand	Agency that he produced the UPS	Label
Device Model	Model of the UPS	Label (UPS Model)
Battery Rated Capacity (Ah)	Typology drums insert	9 (for single-phase IST3)
Number of battery groups	Number of battery packs	Batt. INPUT (label)/12
Device type	Device type	UPS
Serial number	Serial number of the UPS	Label (Y/N)
Installed position	UPS installation location	E.g. Basement
Rated power (kVA)	UPS power	Label (Capacity)
Battery type (V)	Voltage of drums	12
Number of batteries in a single group	Number of batteries in a group single – If they are present wardrobes drums necessary change the value	E.g. 1 UPS = 1 1 UPS + 1 cabinet = 2 1 UPS + 2 cabinets = 3

PART 4 – Configuring UPS Settings | Three-phase | IST7

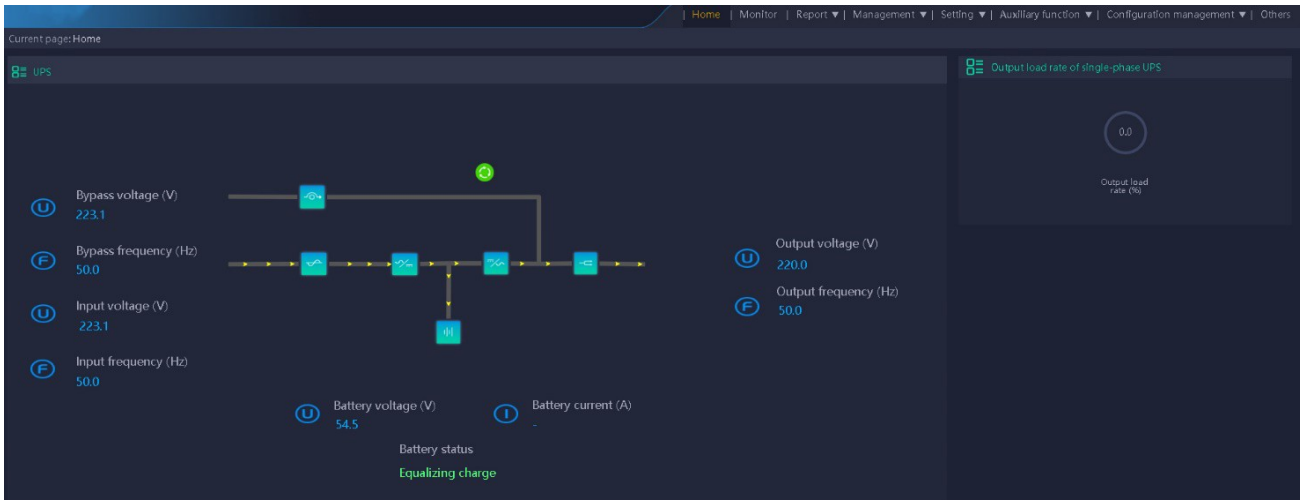


Image 1 – Initial configuration panel

- ## 4.1 – Changing Baud Installments

For correct operation, a specific value must be entered in the Baud Rate item. To access the dedicated section you need to follow the procedure:

Setting – Serial Port Setting

From the screen you need to modify the value entered under the Baud Rate item.

Three-phase IST7 configuration

COM 1 – Baud Rate: 9600

COM 2 – Baud Rate: 9600

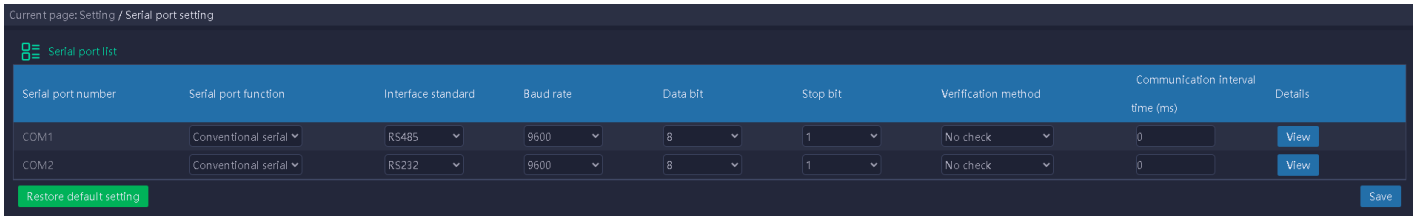


Image 2 – Serial Port Setting

- ## 4.2 – Modification Protocol

For correct operation, the communication protocol must be modified. To access the dedicated section you must follow the procedure: **Management – Device Management – Power – UPS – Box selection – Edit -**

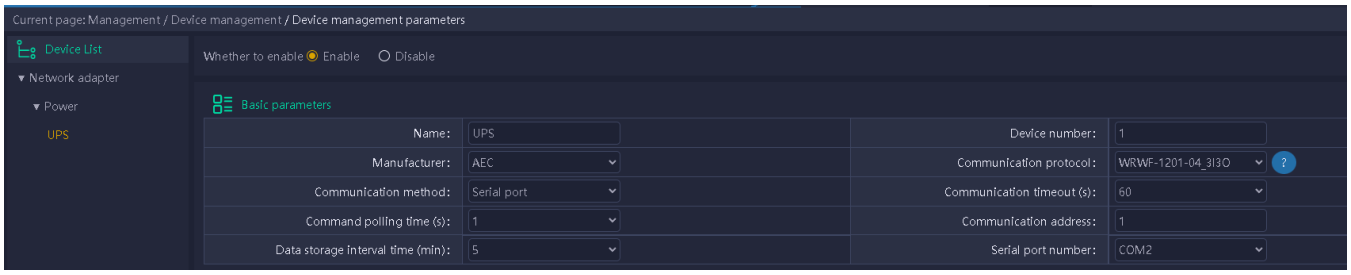


Image 3 – Device Management Parameters

Three-phase IST7 configuration

For the IST7 model under Communication Protocol must be indicated: **WRWF-1201-04_3I3O**

- ## 4.3 – Insertion of parameters device

For correct configuration, you must enter the device information. It is possible to obtain part of the required information from the label of the continuity system

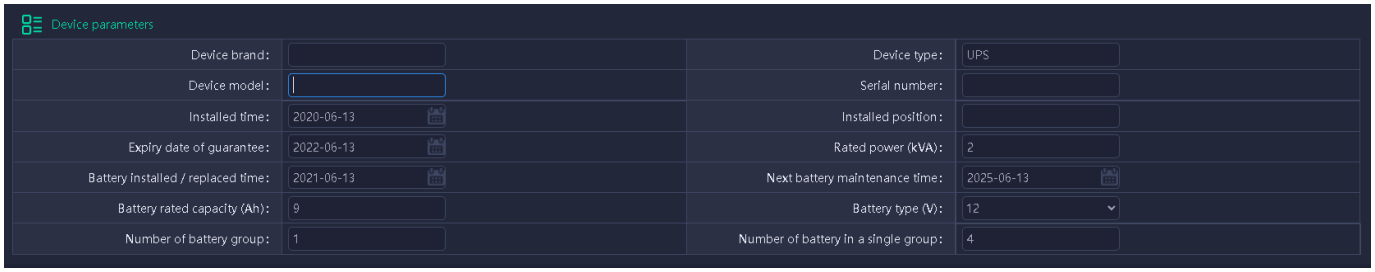


Image 4 – Device Management Parameters – Device Parameters

Voice	**Description**	**Information**
Device Brand	Agency that he produced the UPS	Label
Device Model	Model of the UPS	Label (UPS Model)
Battery Rated Capacity (Ah)	Typology drums insert	To verify power from the batteries (9 – 26 – 40 – 60 – 80 – 100 Ah)
Number of battery group	Number of battery packs	Batt. INPUT (label)/12
Device type	Device type	UPS
Serial number	Serial number of the UPS	Label (Y/N)
Installed position	UPS installation location	E.g. Basement
Rated power (kVA)	UPS power	Label (Capacity)
Battery type (V)	Voltage of drums	12
Number of batteries in a single group	Number of batteries in a group single – If they are present wardrobes drums necessary change the value	E.g. 1 UPS = 1 1 UPS + 1 cabinet = 2 1 UPS + 2 cabinets = 3

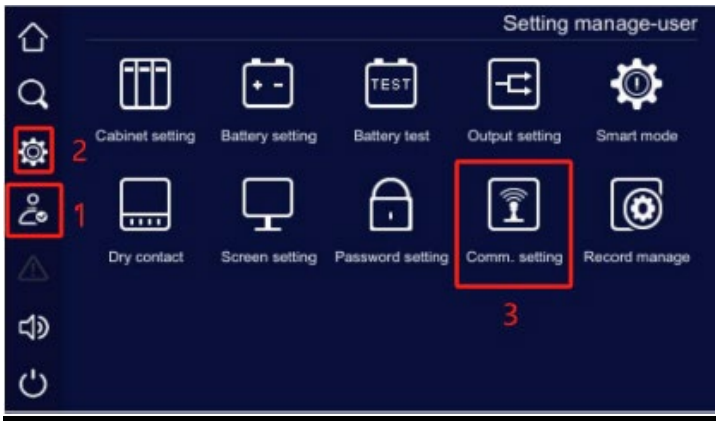
PART 5 – IST6 and IST7 Display Settings 60-200kVA

- ## 5.1 – Access functions from the UPS display

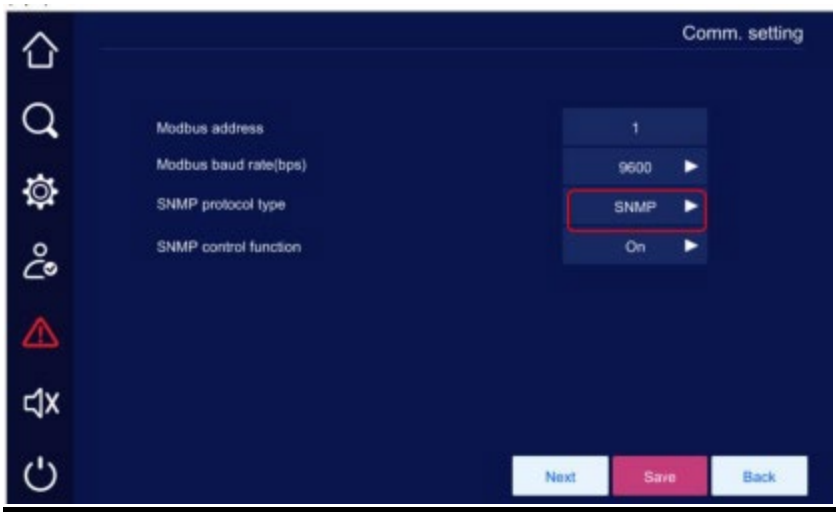
1 – Log in with the following passwords depending on the UPS model:
  - o I**ST6 Password**: 222
  - o **IST7 60-200kVA Password**: 888888

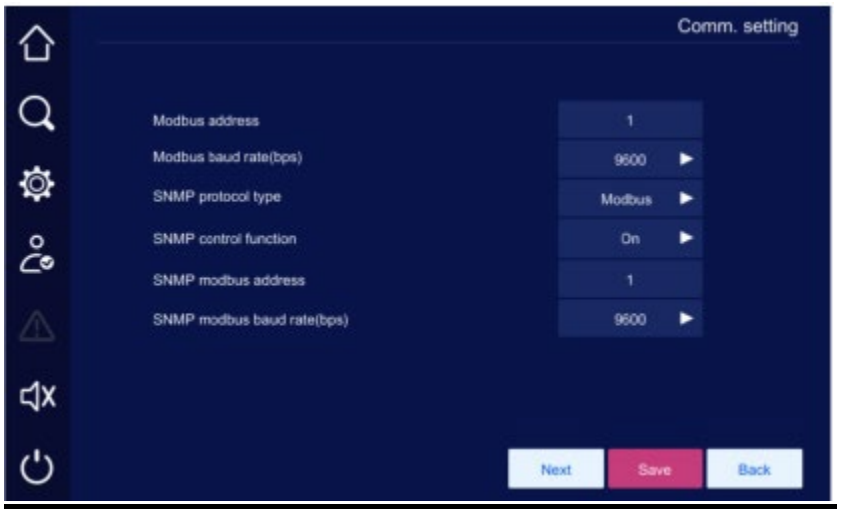
2 – Click the “gear” icon to go to the settings page

3 – Click “Comm. Setting”



The image below shows the default setting for “Comm. setting”. You must change “SNMP protocol type” to Modbus for proper operation.





You must select SNMP Control Function "active" if you want SNMP to be able to turn on/off the UPS.

PART 6 – Configuring email address for notifications

- ## 6.1 – Entering your email address to receive emails notifications

To receive notifications on the operation of the UPS on your e-mail, you must enter your contact in the **Management – User Management – Edit - Confirm section**

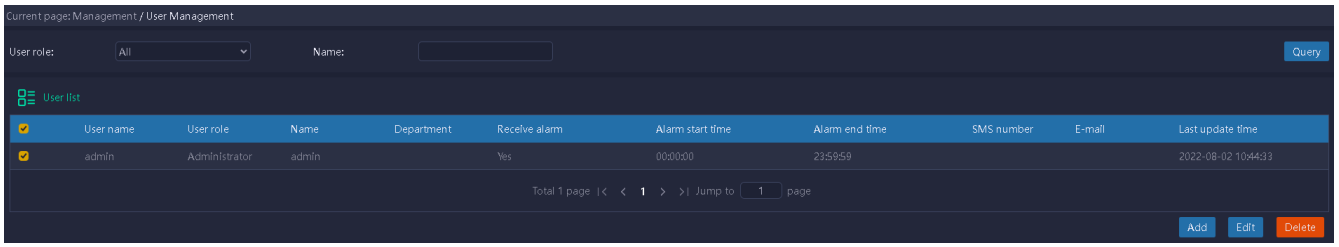


Image 1 – Management – User Management

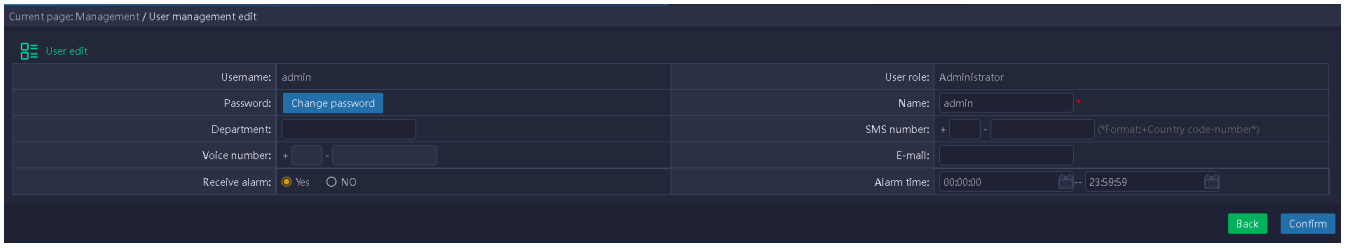


Image 2 – Management – User Management - Edit

The UPS is now set to send notifications to the reference email address.

- ## 6.2 – Checking the parameters of your address email

To be able to check the settings relating to email reception you need to go to the section Management – Alarm Management – Alarm Mode – Email Alarm .

CASE 1 – Use of AEC servers for forwarding EMAILS

Once the SNMP Card software has been updated, there will be pre-compiled data that will allow you to receive notifications relating to the UPS via email.

To use this function, you must enable the function by selecting the Enable – Save option.

If problems occur in receiving emails, the reference port number must be changed. Test with the following ports: **25 – 465 – 587**

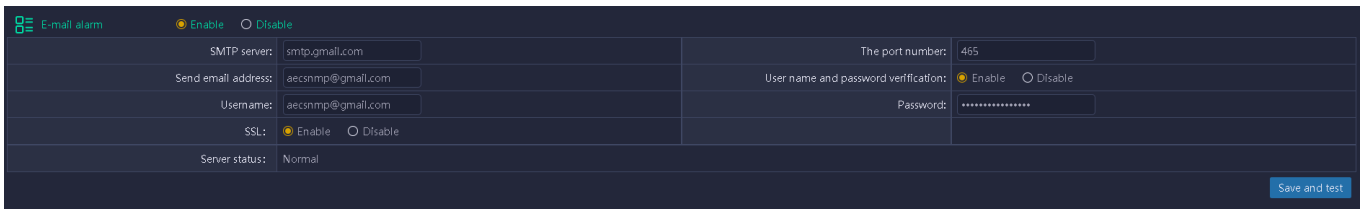


Image 3 – Management – Alarm Management – Alarm Mode – Email Alarm

CASE 2 – Using your own server to forward emails

It is possible to configure your email account to be able to forward emails.

The corresponding values must be entered:

SMTP Server – Send email address – Username – The port number – Password

Attention!!

The password to enter is not the standard password to access the mailbox but the **second level password** to generate within your Mail account.

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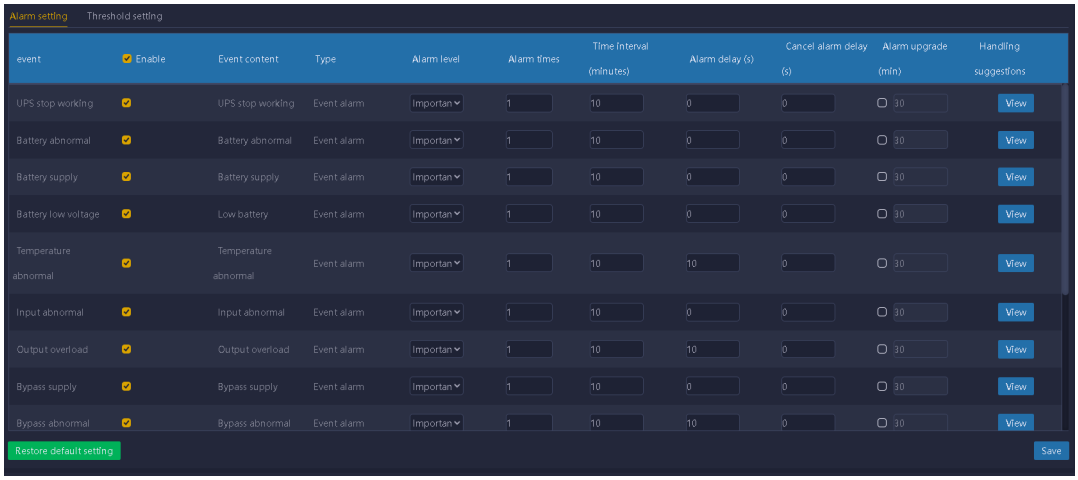
AEC International *DOES NOT provide assistance relating to configuring your personal email to receive notifications.*

PART 7 – Configuration Alarms

- ## 7.1 – Entering battery voltage to configure alarms

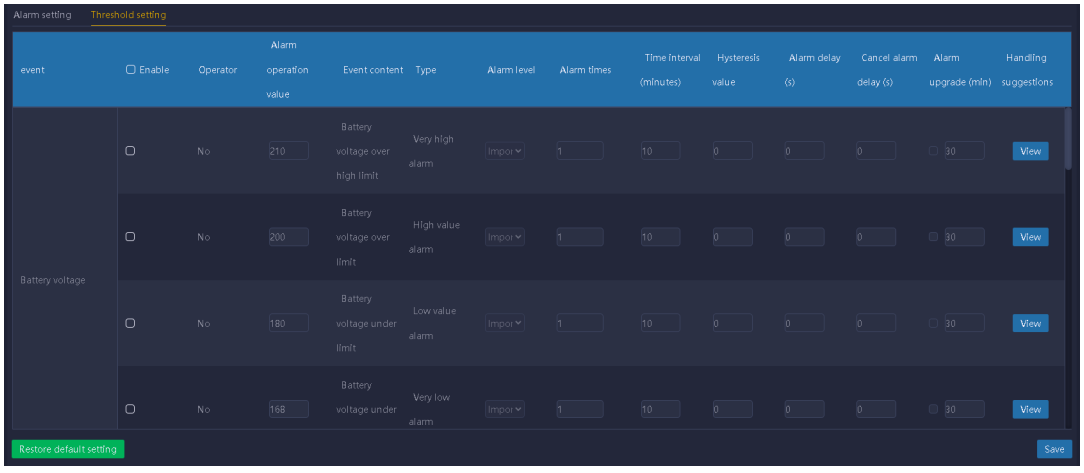
It is possible to configure the alarms according to your needs. There are predefined parameters in the Software that can be modified. To access the section :

Management – Alarm Management – Power – UPS – AEC – Protocol selection



Alarm Setting Section = From this section it is possible to set the alarm priority for each event.

Thresold setting section



Thresold setting – Battery Voltage section it is possible to set the battery voltage values in order to correctly configure the alarms.
To be able to enter the correct data you need to know the number of batteries connected to the device.

A value must be set for each type of alarm (in the example shown there are 2 batteries)

Event content	Alarm operation Value	Alarm operation value
Battery voltage under	No. of batteries * 10.5	2*10.5 = **21**
Battery voltage under limit	No. of batteries * 11.25	2*11.25 = **22.50**
Battery Voltage over limit	No. of batteries * 13.70	2*13.70 = **27.4**
Battery Voltage over high limit	No. of batteries *13.90	2*13.90 = **27.8**